

**FIGURE 1****SEQ ID NO:1**

1 MKTFITNTLGV LFFLLVDVTGH CRGGQFKIKK INQRRYPRT DGKEBAKKCA YTFLVPEORI  
 61 TGPICVNTKG QDASTIKDMI TRMDLENLKD VLSRQKREID VLQLVVDVDG NIVNEVKLLR  
 121 KESRNMNSRV TQLYMQLLHE IIRKRDNSLE LSQLENKILN VTTEMLKMAT RYRELEVYKA  
 181 SLTDLVNNQS VMITLLEEQC LRIFSRQDTH VSPPLVQVVP QHIPNSQQYT PGLLGGNBIQ  
 241 RDPGYPRDLM PPFDLATSPT KSPFKIPVVT FINEGPFKDC QQAKEAGHSV SGIYMIKPPEN  
 301 SNGPMQLWCE NSLDPGGWTV IQKRTDGSVN PFRNWNYYKK OFGNIDGEYW LGLENIYMLS  
 361 NQDNKYKLLIE LEDWSDKKVY AEYSSFRLEP ESEFYRLRLG TYQGNAGDSM MWHNGKQPTT  
 421 LDRDKMYAG NCAHFHKGWV WYNACAHNSL NGVWYRGGHY RSKHQDGIFW AEYRGGSYSL  
 481 RAVQMIIKPI D

**SEQ ID NO:2**

1 GQFKIKKINQ RRYPRATDGK EEAKKCAYTF LVPEQRITGP ICVNTKGQDA STIKDMITRM  
 61 DLENLKDVL RQKREIDVLQ LVVDVGNIV NEVKLLRKE RNMNSRVTL YMQLLHEIR  
 121 KRDNSLELSQ LENKILNVTT ENLKMATRYR ELEVKYASLT DLVNNQSVMI TLEBQCCLRI  
 181 FSRQDTHVSP PLVQVVPQHI PNSQQYTPGL LGGNEIQRDP GYPRDLMPPP DLATSPTKSP  
 241 FKIPVPTFIN EGPFKDCQQA KEAGHSVSGI YMIKPPENSNG PMQLWCENS LDPGGWTVIQK  
 301 RTDGSVNFFR NWNYYKKGFG NIDGEYWLGL ENIYMLSNQD NYKLLIELED WSDKKVYAEY  
 361 SSPFLEPESE FYRLRLGTQY GNAGDSMMNH NGKQFTTLDR DKDMYAGNCA HPHKGGWNYN  
 421 ACAHNSNLGV WYRGGHYRSK HQDGIFWAEY RGSYSYLRAV QMMIKPID

**SEQ ID NO:3**

1 GQFKIKKINQ RRYPRATDGK EEAKKCAYTF LVPEQRITGP ICVNTKGQDA STIKDMITRM  
 61 DLENLKDVL RQKR

**SEQ ID NO:4**

1 CAYTFLVPEQ RITGPICVNT KGQDASTIKD MITRMDLEN LKDVLSRQKR

**SEQ ID NO:5**

1 GQFKIKKINQ RRYPRATDGK EEAKKCAYTF LVPEQRITGP ICVNTKGQDA STIKDMITRM  
 61 DLENLKDVL RQKREIDVLQ LVVDVGNIV NEVKLLR

**SEQ ID NO:6**

1 CAYTFLVPEQ RITGPICVNT KGQDASTIKD MITRMDLENL KDVLSRQKRE IDVLQLVVDV  
 61 DGNIVNEVKL LRK

**SEQ ID NO:7**

1 CAYTFLVPEQ RITGPICVNT K

**FIGURE 2**

CLUSTAL W (1.82) multiple sequence alignment

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SEQ ID NO:5      -----GQFK-----IKKINQRRYP---RATDGKKEAKKCAYTFLV
Q9JJ03          MRPLCMYIWWLGLLATVGAVTGPEADVGAEDGSQREYIYLNRYKRAGESPDKCTYTFIV
                  *  . .                : . . ** . *   * . . * . . ** ; ** ; *

SEQ ID NO:5      PEQRITGPICVNTKGQDASTIKDMITRMDLENLKDVLSRQKREIDVILQLVVDVDGNIVNE
Q9JJ03          PQQRVTGAICVNSK-EPEVHLENRVHKQELELLNNRLKQKRQIETLQQLVEVDGGIVSE
                  * ; ** ; ** . ** ; * : : : : : ** * : : * : ** ; * . ** ; * ; ** . ** . *

SEQ ID NO:5      VKLLRK
Q9JJ03          VKLVRK
                  *** ; **

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